

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P623693

Luminaire Tested: **IFLD-L-SA8C-740-U-55**

Issue Date: 11/2/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P623693  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 11/2/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8C-740-U-55  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens  
Light Source: (128) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

|                   |                                    |                      |                 |
|-------------------|------------------------------------|----------------------|-----------------|
| Lumens per Lamp:  | N/A                                | NEMA Type:           | 5H x 5V         |
| Luminaire Lumens: | 52826.1 lumens                     | Max Intensity:       | 64555.7 candela |
| Efficiency:       | N/A                                | Max Intensity Angle: | 0°H x 10°V      |
| Efficacy:         | 125.7 lumens/watt                  |                      |                 |
| Luminous Opening: | Rectangular (W 2' x L: 1' x H: 0') |                      |                 |

|                   |                 |                    |                 |
|-------------------|-----------------|--------------------|-----------------|
| Beam Angle (50%): | 49.5°H x 53.1°V | Field Angle (10%): | 73.6°H x 75.3°V |
| Beam Lumens:      | 26255.9 lumens  | Field Lumens:      | 34146.6 lumens  |
| Beam Efficiency:  | 49.7%           | Field Efficiency:  | 64.6%           |

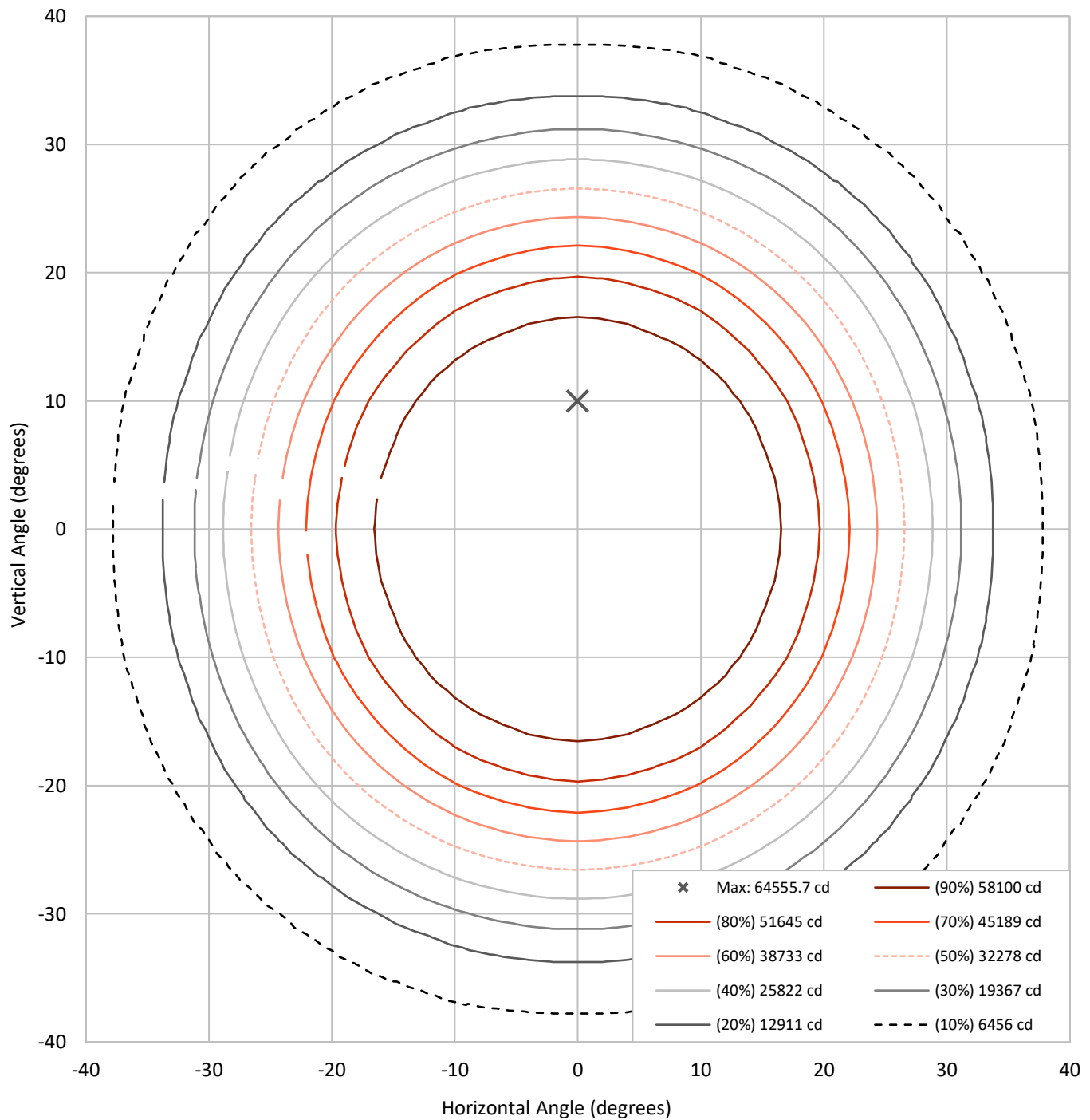
Input Watts (W): 420.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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## Iso-Candela Plot



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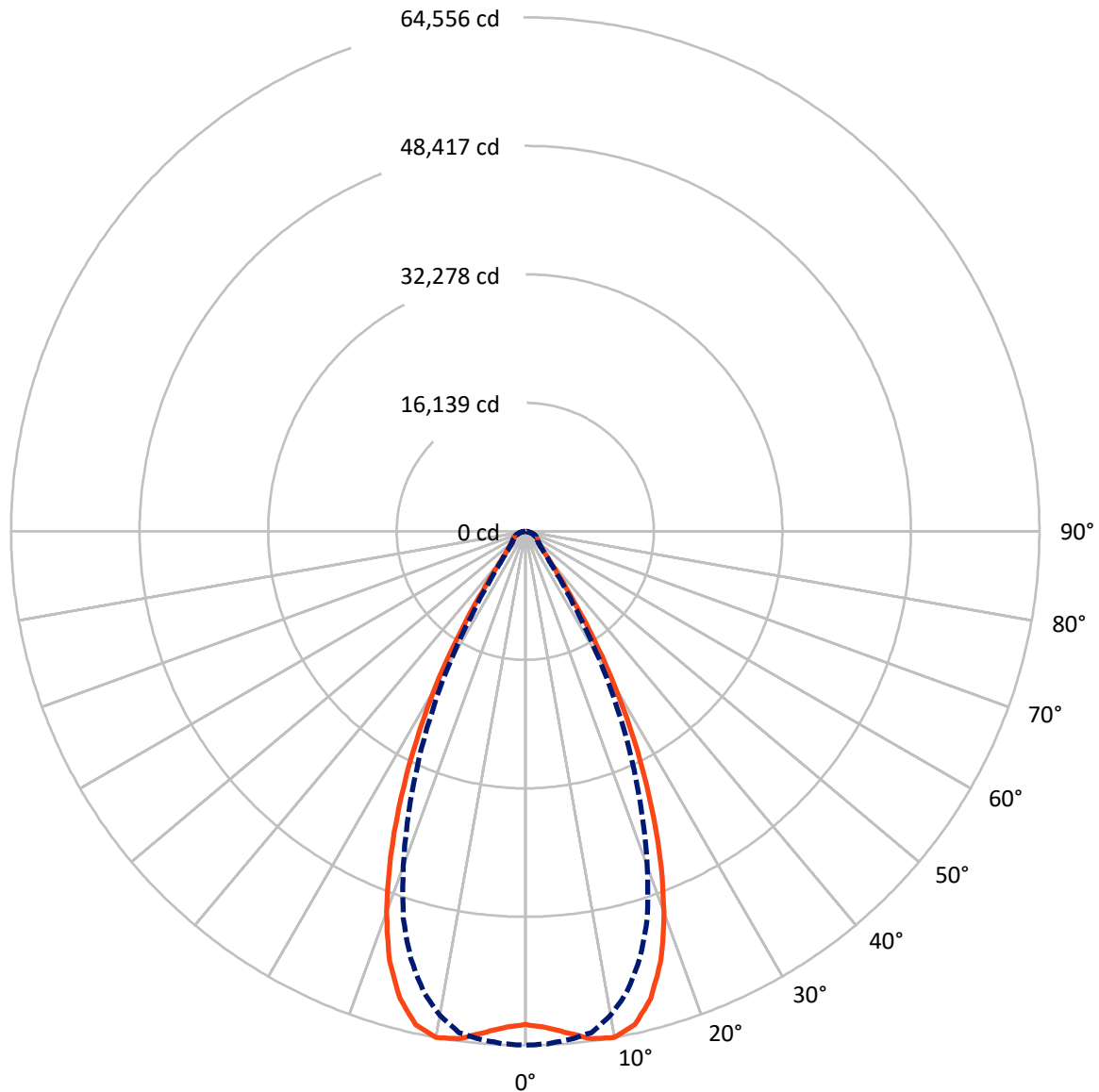
## Lumen Table

|     |      |      |      |      |       |       |        |        |        |        |       |       |      |      |      |      |    |    |    |
|-----|------|------|------|------|-------|-------|--------|--------|--------|--------|-------|-------|------|------|------|------|----|----|----|
| 90  |      |      |      |      |       |       |        |        |        |        |       |       |      |      |      |      |    |    |    |
| 80  | 1.5  | 11.6 |      | 30.2 |       | 48.7  |        | 56.5   |        | 48.7   |       | 30.2  |      | 11.6 |      | 1.5  |    |    |    |
| 70  |      |      |      |      |       |       |        |        |        |        |       |       |      |      |      |      |    |    |    |
| 60  | 5.3  | 5.7  | 11.9 | 19.7 | 27.7  | 34.6  | 39.6   | 42.3   | 42.3   | 39.6   | 34.6  | 27.7  | 19.7 | 11.9 | 5.7  | 5.3  |    |    |    |
| 50  |      | 8.9  | 18.3 | 29.0 | 38.9  | 47.3  | 53.7   | 57.3   | 57.3   | 53.7   | 47.3  | 38.9  | 29.0 | 18.3 | 8.9  |      |    |    |    |
| 40  | 9.4  | 11.9 | 23.6 | 35.6 | 47.8  | 61.9  | 78.4   | 91.0   | 91.0   | 78.4   | 61.9  | 47.8  | 35.6 | 23.6 | 11.9 | 9.4  |    |    |    |
| 30  |      | 14.5 | 27.3 | 41.3 | 62.7  | 111.6 | 218.1  | 328.9  | 328.9  | 218.1  | 111.6 | 62.7  | 41.3 | 27.3 | 14.5 |      |    |    |    |
| 20  | 12.5 | 16.3 | 30.1 | 48.5 | 101.3 | 322.8 | 747.9  | 1061.5 | 1061.5 | 747.9  | 322.8 | 101.3 | 48.5 | 30.1 | 16.3 | 12.5 |    |    |    |
| 10  |      | 17.6 | 32.0 | 57.8 | 187.0 | 704.5 | 1378.3 | 1757.1 | 1757.1 | 1378.3 | 704.5 | 187.0 | 57.8 | 32.0 | 17.6 |      |    |    |    |
| 0   | 13.6 | 18.2 | 33.1 | 65.2 | 274.4 | 970.4 | 1705.1 | 1933.7 | 1933.7 | 1705.1 | 970.4 | 274.4 | 65.2 | 33.1 | 18.2 | 13.6 |    |    |    |
| -10 |      | 18.2 | 33.1 | 65.2 | 274.4 | 970.4 | 1705.1 | 1933.7 | 1933.7 | 1705.1 | 970.4 | 274.4 | 65.2 | 33.1 | 18.2 |      |    |    |    |
| -20 | 12.5 | 17.6 | 32.0 | 57.8 | 187.0 | 704.5 | 1378.3 | 1757.1 | 1757.1 | 1378.3 | 704.5 | 187.0 | 57.8 | 32.0 | 17.6 | 12.5 |    |    |    |
| -30 |      | 16.3 | 30.1 | 48.5 | 101.3 | 322.8 | 747.9  | 1061.5 | 1061.5 | 747.9  | 322.8 | 101.3 | 48.5 | 30.1 | 16.3 |      |    |    |    |
| -40 | 9.4  | 14.5 | 27.3 | 41.3 | 62.7  | 111.6 | 218.1  | 328.9  | 328.9  | 218.1  | 111.6 | 62.7  | 41.3 | 27.3 | 14.5 | 9.4  |    |    |    |
| -50 |      | 11.9 | 23.6 | 35.6 | 47.8  | 61.9  | 78.4   | 91.0   | 91.0   | 78.4   | 61.9  | 47.8  | 35.6 | 23.6 | 11.9 |      |    |    |    |
| -60 | 5.3  | 8.9  | 18.3 | 29.0 | 38.9  | 47.3  | 53.7   | 57.3   | 57.3   | 53.7   | 47.3  | 38.9  | 29.0 | 18.3 | 8.9  | 5.3  |    |    |    |
| -70 |      | 5.7  | 11.9 | 19.7 | 27.7  | 34.6  | 39.6   | 42.3   | 42.3   | 39.6   | 34.6  | 27.7  | 19.7 | 11.9 | 5.7  |      |    |    |    |
| -80 | 1.5  | 11.6 |      | 30.2 |       | 48.7  |        | 56.5   |        | 48.7   |       | 30.2  |      | 11.6 |      | 1.5  |    |    |    |
| -90 |      |      |      |      |       |       |        |        |        |        |       |       |      |      |      |      |    |    |    |
|     | -90  | -80  | -70  | -60  | -50   | -40   | -30    | -20    | -10    | 0      | 10    | 20    | 30   | 40   | 50   | 60   | 70 | 80 | 90 |

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## Luminous Intensity Polar Plot

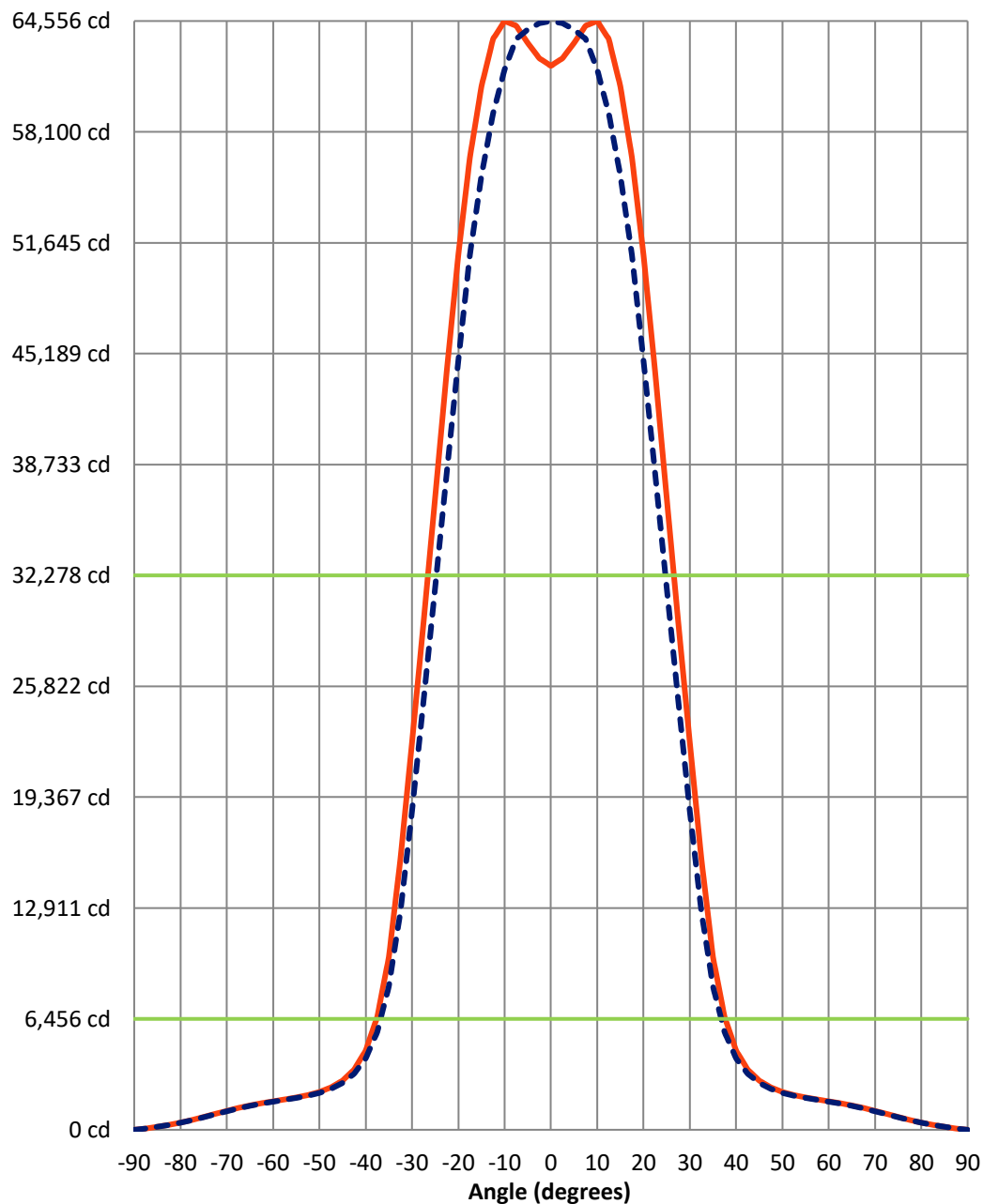


— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 10-Deg

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## Luminous Intensity Plot



**Beam:**

H Angle: 49.5°  
V Angle: 53.1°  
Lumens: 26255.9  
Efficiency: 49.7%

**Field:**

H Angle: 73.6°  
V Angle: 75.3°  
Lumens: 34146.6  
Efficiency: 64.6%

**Spill:**

Lumens: 18679.5  
Efficiency: 35.4%

— Vertical Distribution through 0-Deg  
- - Horizontal Distribution through 10-Deg

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FIELD  
BEAM

**CANDELA DISTRIBUTION:**

|       | 0°      | 2.5°    | 5°      | 7.5°    | 10°     | 12.5°   | 15°     | 17.5°   | 20°     | 22.5°   | 25°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 87.5° | 71.3    | 71.3    | 71.3    | 71.3    | 71.3    | 71.3    | 71.3    | 65.9    | 65.9    | 65.9    | 65.9    |
| 85°   | 175.6   | 175.6   | 175.6   | 175.6   | 175.6   | 170.1   | 170.1   | 164.6   | 164.6   | 159.1   | 153.7   |
| 82.5° | 285.4   | 285.4   | 285.4   | 285.4   | 279.9   | 279.9   | 274.4   | 268.9   | 263.4   | 257.9   | 252.4   |
| 80°   | 417.1   | 417.1   | 417.1   | 417.1   | 411.6   | 406.1   | 400.6   | 395.1   | 384.1   | 378.6   | 367.7   |
| 77.5° | 570.7   | 570.7   | 570.7   | 565.2   | 559.7   | 554.2   | 543.3   | 532.3   | 521.3   | 510.3   | 499.4   |
| 75°   | 746.3   | 746.3   | 746.3   | 735.3   | 729.8   | 718.9   | 707.9   | 696.9   | 680.5   | 664.0   | 647.5   |
| 72.5° | 927.4   | 927.4   | 927.4   | 916.4   | 905.4   | 894.5   | 883.5   | 867.0   | 850.6   | 828.6   | 806.7   |
| 70°   | 1097.5  | 1097.5  | 1097.5  | 1086.5  | 1075.6  | 1064.6  | 1048.1  | 1031.7  | 1009.7  | 987.8   | 965.8   |
| 67.5° | 1273.1  | 1273.1  | 1273.1  | 1256.7  | 1245.7  | 1234.7  | 1218.2  | 1196.3  | 1174.3  | 1146.9  | 1119.5  |
| 65°   | 1415.8  | 1415.8  | 1410.3  | 1404.8  | 1393.8  | 1377.4  | 1366.4  | 1344.5  | 1322.5  | 1300.6  | 1273.1  |
| 62.5° | 1547.5  | 1547.5  | 1542.0  | 1536.5  | 1525.5  | 1509.1  | 1492.6  | 1476.2  | 1454.2  | 1426.8  | 1399.3  |
| 60°   | 1657.2  | 1657.2  | 1651.8  | 1646.3  | 1635.3  | 1624.3  | 1607.9  | 1591.4  | 1569.4  | 1547.5  | 1520.1  |
| 57.5° | 1767.0  | 1767.0  | 1761.5  | 1756.0  | 1745.0  | 1728.6  | 1712.1  | 1695.7  | 1673.7  | 1646.3  | 1618.8  |
| 55°   | 1882.2  | 1882.2  | 1876.7  | 1865.8  | 1854.8  | 1838.3  | 1821.9  | 1799.9  | 1772.5  | 1745.0  | 1717.6  |
| 52.5° | 2019.4  | 2019.4  | 2008.4  | 1997.5  | 1981.0  | 1964.5  | 1937.1  | 1909.7  | 1876.7  | 1843.8  | 1810.9  |
| 50°   | 2200.5  | 2200.5  | 2189.5  | 2173.1  | 2145.6  | 2118.2  | 2085.3  | 2041.4  | 2003.0  | 1959.1  | 1915.2  |
| 47.5° | 2469.4  | 2469.4  | 2447.5  | 2420.0  | 2381.6  | 2337.7  | 2277.3  | 2211.5  | 2156.6  | 2101.7  | 2035.9  |
| 45°   | 2864.5  | 2864.5  | 2831.6  | 2787.7  | 2727.3  | 2650.5  | 2562.7  | 2469.4  | 2376.1  | 2282.8  | 2189.5  |
| 42.5° | 3506.6  | 3506.6  | 3446.2  | 3369.4  | 3265.1  | 3133.4  | 2968.8  | 2815.1  | 2683.4  | 2535.3  | 2409.0  |
| 40°   | 4615.0  | 4615.0  | 4499.8  | 4357.1  | 4159.6  | 3907.1  | 3605.3  | 3363.9  | 3133.4  | 2875.5  | 2699.9  |
| 37.5° | 6585.1  | 6585.1  | 6360.1  | 6085.7  | 5701.6  | 5218.7  | 4637.0  | 4247.4  | 3819.3  | 3413.3  | 3116.9  |
| 35°   | 10064.2 | 10064.2 | 9630.7  | 9098.4  | 8357.6  | 7424.7  | 6431.4  | 5696.1  | 4878.4  | 4252.9  | 3698.6  |
| 32.5° | 15771.3 | 15771.3 | 14992.0 | 14031.7 | 12709.2 | 11035.5 | 9444.1  | 8044.8  | 6585.1  | 5547.9  | 4549.2  |
| 30°   | 22553.9 | 22553.9 | 21533.2 | 20276.6 | 18553.5 | 16380.4 | 14114.0 | 11628.2 | 9323.4  | 7474.1  | 5965.0  |
| 27.5° | 29567.0 | 29276.2 | 28398.2 | 26965.9 | 25001.3 | 22553.9 | 19727.8 | 16517.6 | 13400.6 | 10141.0 | 7984.4  |
| 25°   | 36821.6 | 36481.3 | 35477.1 | 33830.8 | 31580.9 | 28809.7 | 25626.9 | 22038.1 | 18191.3 | 14306.1 | 10574.5 |
| 22.5° | 44153.0 | 43768.8 | 42627.4 | 40767.1 | 38242.8 | 35136.9 | 31531.6 | 27542.1 | 23245.3 | 18756.5 | 14306.1 |
| 20°   | 50930.1 | 50524.0 | 49327.7 | 47390.6 | 44778.5 | 41370.8 | 37364.8 | 32941.9 | 28189.6 | 23245.3 | 18191.3 |
| 17.5° | 56604.2 | 56214.6 | 55062.2 | 53212.9 | 50930.1 | 47160.1 | 42995.1 | 38133.1 | 32941.9 | 27542.1 | 22038.1 |
| 15°   | 60747.4 | 60412.6 | 59430.3 | 57877.4 | 55550.6 | 52214.2 | 47972.3 | 42995.1 | 37364.8 | 31531.6 | 25626.9 |
| 12.5° | 63496.6 | 63227.7 | 62454.0 | 61246.7 | 59161.4 | 56362.8 | 52214.2 | 47160.1 | 41370.8 | 35136.9 | 28809.7 |
| 10°   | 64555.7 | 64424.0 | 64061.8 | 63507.6 | 61729.6 | 59161.4 | 55550.6 | 50930.1 | 44778.5 | 38242.8 | 31580.9 |
| 7.5°  | 64275.9 | 64319.8 | 64446.0 | 64303.3 | 63507.6 | 61246.7 | 57877.4 | 53212.9 | 47390.6 | 40767.1 | 33830.8 |
| 5°    | 63277.1 | 63513.1 | 64100.3 | 64446.0 | 64061.8 | 62454.0 | 59430.3 | 55062.2 | 49327.7 | 42627.4 | 35477.1 |
| 2.5°  | 62388.1 | 62755.8 | 63513.1 | 64319.8 | 64424.0 | 63227.7 | 60412.6 | 56214.6 | 50524.0 | 43768.8 | 36481.3 |
| 0°    | 61949.1 | 62388.1 | 63277.1 | 64275.9 | 64555.7 | 63496.6 | 60747.4 | 56604.2 | 50930.1 | 44153.0 | 36821.6 |

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**CANDELA DISTRIBUTION (continued):**

|       | 27.5°   | 30°     | 32.5°   | 35°     | 37.5°  | 40°    | 42.5°  | 45°    | 47.5°  | 50°    | 52.5°  |
|-------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 65.9    | 60.4    | 60.4    | 60.4    | 54.9   | 54.9   | 54.9   | 49.4   | 49.4   | 43.9   | 43.9   |
| 85°   | 153.7   | 148.2   | 142.7   | 137.2   | 131.7  | 126.2  | 120.7  | 115.2  | 109.8  | 98.8   | 93.3   |
| 82.5° | 246.9   | 241.5   | 236.0   | 225.0   | 219.5  | 208.5  | 197.6  | 186.6  | 175.6  | 170.1  | 159.1  |
| 80°   | 356.7   | 345.7   | 334.7   | 323.8   | 307.3  | 290.8  | 279.9  | 263.4  | 252.4  | 236.0  | 225.0  |
| 77.5° | 482.9   | 466.4   | 450.0   | 428.0   | 411.6  | 395.1  | 373.2  | 356.7  | 334.7  | 312.8  | 290.8  |
| 75°   | 625.6   | 603.6   | 576.2   | 554.2   | 532.3  | 504.9  | 477.4  | 450.0  | 422.5  | 395.1  | 367.7  |
| 72.5° | 779.2   | 751.8   | 724.4   | 696.9   | 664.0  | 625.6  | 592.7  | 554.2  | 521.3  | 488.4  | 450.0  |
| 70°   | 938.4   | 905.4   | 872.5   | 839.6   | 801.2  | 757.3  | 718.9  | 675.0  | 631.1  | 587.2  | 543.3  |
| 67.5° | 1086.5  | 1053.6  | 1015.2  | 982.3   | 938.4  | 894.5  | 845.1  | 795.7  | 746.3  | 691.4  | 636.6  |
| 65°   | 1240.2  | 1201.8  | 1157.9  | 1114.0  | 1070.1 | 1020.7 | 971.3  | 921.9  | 861.5  | 801.2  | 746.3  |
| 62.5° | 1366.4  | 1333.5  | 1295.1  | 1251.2  | 1201.8 | 1146.9 | 1097.5 | 1031.7 | 971.3  | 910.9  | 839.6  |
| 60°   | 1487.1  | 1448.7  | 1415.8  | 1366.4  | 1322.5 | 1273.1 | 1212.8 | 1146.9 | 1081.1 | 1009.7 | 943.9  |
| 57.5° | 1591.4  | 1558.5  | 1520.1  | 1476.2  | 1426.8 | 1377.4 | 1322.5 | 1262.1 | 1185.3 | 1114.0 | 1037.1 |
| 55°   | 1684.7  | 1646.3  | 1607.9  | 1569.4  | 1525.5 | 1470.7 | 1415.8 | 1355.4 | 1289.6 | 1212.8 | 1130.4 |
| 52.5° | 1778.0  | 1739.6  | 1695.7  | 1657.2  | 1607.9 | 1558.5 | 1503.6 | 1443.2 | 1377.4 | 1306.0 | 1218.2 |
| 50°   | 1871.3  | 1827.4  | 1783.5  | 1734.1  | 1684.7 | 1635.3 | 1580.4 | 1525.5 | 1454.2 | 1382.9 | 1306.0 |
| 47.5° | 1981.0  | 1926.1  | 1871.3  | 1816.4  | 1767.0 | 1706.6 | 1651.8 | 1591.4 | 1531.0 | 1454.2 | 1377.4 |
| 45°   | 2118.2  | 2035.9  | 1970.0  | 1904.2  | 1843.8 | 1783.5 | 1717.6 | 1657.2 | 1591.4 | 1525.5 | 1443.2 |
| 42.5° | 2288.3  | 2178.6  | 2090.8  | 2003.0  | 1926.1 | 1854.8 | 1788.9 | 1717.6 | 1651.8 | 1580.4 | 1503.6 |
| 40°   | 2518.8  | 2370.6  | 2228.0  | 2118.2  | 2019.4 | 1931.6 | 1854.8 | 1783.5 | 1706.6 | 1635.3 | 1558.5 |
| 37.5° | 2820.6  | 2612.1  | 2414.5  | 2255.4  | 2129.2 | 2019.4 | 1926.1 | 1843.8 | 1767.0 | 1684.7 | 1607.9 |
| 35°   | 3276.1  | 2913.9  | 2661.5  | 2431.0  | 2255.4 | 2118.2 | 2003.0 | 1904.2 | 1816.4 | 1734.1 | 1657.2 |
| 32.5° | 3918.1  | 3358.4  | 2952.3  | 2661.5  | 2414.5 | 2228.0 | 2090.8 | 1970.0 | 1871.3 | 1783.5 | 1695.7 |
| 30°   | 4763.2  | 3989.5  | 3358.4  | 2913.9  | 2612.1 | 2370.6 | 2178.6 | 2035.9 | 1926.1 | 1827.4 | 1739.6 |
| 27.5° | 6102.2  | 4763.2  | 3918.1  | 3276.1  | 2820.6 | 2518.8 | 2288.3 | 2118.2 | 1981.0 | 1871.3 | 1778.0 |
| 25°   | 7984.4  | 5965.0  | 4549.2  | 3698.6  | 3116.9 | 2699.9 | 2409.0 | 2189.5 | 2035.9 | 1915.2 | 1810.9 |
| 22.5° | 10141.0 | 7474.1  | 5547.9  | 4252.9  | 3413.3 | 2875.5 | 2535.3 | 2282.8 | 2101.7 | 1959.1 | 1843.8 |
| 20°   | 13400.6 | 9323.4  | 6585.1  | 4878.4  | 3819.3 | 3133.4 | 2683.4 | 2376.1 | 2156.6 | 2003.0 | 1876.7 |
| 17.5° | 16517.6 | 11628.2 | 8044.8  | 5696.1  | 4247.4 | 3363.9 | 2815.1 | 2469.4 | 2211.5 | 2041.4 | 1909.7 |
| 15°   | 19727.8 | 14114.0 | 9444.1  | 6431.4  | 4637.0 | 3605.3 | 2968.8 | 2562.7 | 2277.3 | 2085.3 | 1937.1 |
| 12.5° | 22553.9 | 16380.4 | 11035.5 | 7424.7  | 5218.7 | 3907.1 | 3133.4 | 2650.5 | 2337.7 | 2118.2 | 1964.5 |
| 10°   | 25001.3 | 18553.5 | 12709.2 | 8357.6  | 5701.6 | 4159.6 | 3265.1 | 2727.3 | 2381.6 | 2145.6 | 1981.0 |
| 7.5°  | 26965.9 | 20276.6 | 14031.7 | 9098.4  | 6085.7 | 4357.1 | 3369.4 | 2787.7 | 2420.0 | 2173.1 | 1997.5 |
| 5°    | 28398.2 | 21533.2 | 14992.0 | 9630.7  | 6360.1 | 4499.8 | 3446.2 | 2831.6 | 2447.5 | 2189.5 | 2008.4 |
| 2.5°  | 29276.2 | 22553.9 | 15771.3 | 10064.2 | 6585.1 | 4615.0 | 3506.6 | 2864.5 | 2469.4 | 2200.5 | 2019.4 |
| 0°    | 29567.0 | 22553.9 | 15771.3 | 10064.2 | 6585.1 | 4615.0 | 3506.6 | 2864.5 | 2469.4 | 2200.5 | 2019.4 |

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**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 57.5°  | 60°    | 62.5°  | 65°    | 67.5°  | 70°    | 72.5° | 75°   | 77.5° | 80°   |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   |
| 87.5° | 38.4   | 38.4   | 32.9   | 32.9   | 27.4   | 27.4   | 22.0   | 22.0  | 16.5  | 16.5  | 11.0  |
| 85°   | 87.8   | 76.8   | 71.3   | 65.9   | 60.4   | 54.9   | 49.4   | 43.9  | 38.4  | 32.9  | 27.4  |
| 82.5° | 148.2  | 137.2  | 120.7  | 109.8  | 98.8   | 87.8   | 71.3   | 65.9  | 54.9  | 43.9  | 38.4  |
| 80°   | 208.5  | 192.1  | 175.6  | 159.1  | 142.7  | 126.2  | 109.8  | 93.3  | 76.8  | 60.4  | 49.4  |
| 77.5° | 268.9  | 246.9  | 230.5  | 208.5  | 186.6  | 164.6  | 142.7  | 120.7 | 98.8  | 76.8  | 60.4  |
| 75°   | 340.2  | 312.8  | 285.4  | 257.9  | 230.5  | 203.0  | 181.1  | 153.7 | 126.2 | 98.8  | 76.8  |
| 72.5° | 417.1  | 378.6  | 345.7  | 312.8  | 274.4  | 246.9  | 214.0  | 186.6 | 153.7 | 120.7 | 93.3  |
| 70°   | 499.4  | 455.5  | 411.6  | 367.7  | 329.3  | 285.4  | 252.4  | 214.0 | 181.1 | 142.7 | 109.8 |
| 67.5° | 581.7  | 532.3  | 482.9  | 428.0  | 378.6  | 334.7  | 285.4  | 246.9 | 203.0 | 164.6 | 126.2 |
| 65°   | 680.5  | 614.6  | 554.2  | 493.9  | 433.5  | 378.6  | 329.3  | 274.4 | 230.5 | 186.6 | 142.7 |
| 62.5° | 773.7  | 702.4  | 631.1  | 559.7  | 493.9  | 428.0  | 367.7  | 312.8 | 257.9 | 208.5 | 159.1 |
| 60°   | 867.0  | 790.2  | 707.9  | 631.1  | 554.2  | 482.9  | 411.6  | 345.7 | 285.4 | 230.5 | 175.6 |
| 57.5° | 960.3  | 872.5  | 790.2  | 702.4  | 614.6  | 532.3  | 455.5  | 378.6 | 312.8 | 246.9 | 192.1 |
| 55°   | 1042.6 | 960.3  | 867.0  | 773.7  | 680.5  | 581.7  | 499.4  | 417.1 | 340.2 | 268.9 | 208.5 |
| 52.5° | 1130.4 | 1037.1 | 943.9  | 839.6  | 746.3  | 636.6  | 543.3  | 450.0 | 367.7 | 290.8 | 225.0 |
| 50°   | 1212.8 | 1114.0 | 1009.7 | 910.9  | 801.2  | 691.4  | 587.2  | 488.4 | 395.1 | 312.8 | 236.0 |
| 47.5° | 1289.6 | 1185.3 | 1081.1 | 971.3  | 861.5  | 746.3  | 631.1  | 521.3 | 422.5 | 334.7 | 252.4 |
| 45°   | 1355.4 | 1262.1 | 1146.9 | 1031.7 | 921.9  | 795.7  | 675.0  | 554.2 | 450.0 | 356.7 | 263.4 |
| 42.5° | 1415.8 | 1322.5 | 1212.8 | 1097.5 | 971.3  | 845.1  | 718.9  | 592.7 | 477.4 | 373.2 | 279.9 |
| 40°   | 1470.7 | 1377.4 | 1273.1 | 1146.9 | 1020.7 | 894.5  | 757.3  | 625.6 | 504.9 | 395.1 | 290.8 |
| 37.5° | 1525.5 | 1426.8 | 1322.5 | 1201.8 | 1070.1 | 938.4  | 801.2  | 664.0 | 532.3 | 411.6 | 307.3 |
| 35°   | 1569.4 | 1476.2 | 1366.4 | 1251.2 | 1114.0 | 982.3  | 839.6  | 696.9 | 554.2 | 428.0 | 323.8 |
| 32.5° | 1607.9 | 1520.1 | 1415.8 | 1295.1 | 1157.9 | 1015.2 | 872.5  | 724.4 | 576.2 | 450.0 | 334.7 |
| 30°   | 1646.3 | 1558.5 | 1448.7 | 1333.5 | 1201.8 | 1053.6 | 905.4  | 751.8 | 603.6 | 466.4 | 345.7 |
| 27.5° | 1684.7 | 1591.4 | 1487.1 | 1366.4 | 1240.2 | 1086.5 | 938.4  | 779.2 | 625.6 | 482.9 | 356.7 |
| 25°   | 1717.6 | 1618.8 | 1520.1 | 1399.3 | 1273.1 | 1119.5 | 965.8  | 806.7 | 647.5 | 499.4 | 367.7 |
| 22.5° | 1745.0 | 1646.3 | 1547.5 | 1426.8 | 1300.6 | 1146.9 | 987.8  | 828.6 | 664.0 | 510.3 | 378.6 |
| 20°   | 1772.5 | 1673.7 | 1569.4 | 1454.2 | 1322.5 | 1174.3 | 1009.7 | 850.6 | 680.5 | 521.3 | 384.1 |
| 17.5° | 1799.9 | 1695.7 | 1591.4 | 1476.2 | 1344.5 | 1196.3 | 1031.7 | 867.0 | 696.9 | 532.3 | 395.1 |
| 15°   | 1821.9 | 1712.1 | 1607.9 | 1492.6 | 1366.4 | 1218.2 | 1048.1 | 883.5 | 707.9 | 543.3 | 400.6 |
| 12.5° | 1838.3 | 1728.6 | 1624.3 | 1509.1 | 1377.4 | 1234.7 | 1064.6 | 894.5 | 718.9 | 554.2 | 406.1 |
| 10°   | 1854.8 | 1745.0 | 1635.3 | 1525.5 | 1393.8 | 1245.7 | 1075.6 | 905.4 | 729.8 | 559.7 | 411.6 |
| 7.5°  | 1865.8 | 1756.0 | 1646.3 | 1536.5 | 1404.8 | 1256.7 | 1086.5 | 916.4 | 735.3 | 565.2 | 417.1 |
| 5°    | 1876.7 | 1761.5 | 1651.8 | 1542.0 | 1410.3 | 1273.1 | 1097.5 | 927.4 | 746.3 | 570.7 | 417.1 |
| 2.5°  | 1882.2 | 1767.0 | 1657.2 | 1547.5 | 1415.8 | 1273.1 | 1097.5 | 927.4 | 746.3 | 570.7 | 417.1 |
| 0°    | 1882.2 | 1767.0 | 1657.2 | 1547.5 | 1415.8 | 1273.1 | 1097.5 | 927.4 | 746.3 | 570.7 | 417.1 |

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**CANDELA DISTRIBUTION (continued):**

|       | 82.5° | 85°   | 87.5° | 90° |
|-------|-------|-------|-------|-----|
| 90°   | 0.0   | 0.0   | 0.0   | 0.0 |
| 87.5° | 11.0  | 5.5   | 5.5   | 0.0 |
| 85°   | 16.5  | 11.0  | 5.5   | 0.0 |
| 82.5° | 27.4  | 16.5  | 11.0  | 0.0 |
| 80°   | 38.4  | 27.4  | 11.0  | 0.0 |
| 77.5° | 43.9  | 32.9  | 16.5  | 0.0 |
| 75°   | 54.9  | 38.4  | 16.5  | 0.0 |
| 72.5° | 65.9  | 43.9  | 22.0  | 0.0 |
| 70°   | 71.3  | 49.4  | 22.0  | 0.0 |
| 67.5° | 87.8  | 54.9  | 27.4  | 0.0 |
| 65°   | 98.8  | 60.4  | 27.4  | 0.0 |
| 62.5° | 109.8 | 65.9  | 32.9  | 0.0 |
| 60°   | 120.7 | 71.3  | 32.9  | 0.0 |
| 57.5° | 137.2 | 76.8  | 38.4  | 0.0 |
| 55°   | 148.2 | 87.8  | 38.4  | 0.0 |
| 52.5° | 159.1 | 93.3  | 43.9  | 0.0 |
| 50°   | 170.1 | 98.8  | 43.9  | 0.0 |
| 47.5° | 175.6 | 109.8 | 49.4  | 0.0 |
| 45°   | 186.6 | 115.2 | 49.4  | 0.0 |
| 42.5° | 197.6 | 120.7 | 54.9  | 0.0 |
| 40°   | 208.5 | 126.2 | 54.9  | 0.0 |
| 37.5° | 219.5 | 131.7 | 54.9  | 0.0 |
| 35°   | 225.0 | 137.2 | 60.4  | 0.0 |
| 32.5° | 236.0 | 142.7 | 60.4  | 0.0 |
| 30°   | 241.5 | 148.2 | 60.4  | 0.0 |
| 27.5° | 246.9 | 153.7 | 65.9  | 0.0 |
| 25°   | 252.4 | 153.7 | 65.9  | 0.0 |
| 22.5° | 257.9 | 159.1 | 65.9  | 0.0 |
| 20°   | 263.4 | 164.6 | 65.9  | 0.0 |
| 17.5° | 268.9 | 164.6 | 65.9  | 0.0 |
| 15°   | 274.4 | 170.1 | 71.3  | 0.0 |
| 12.5° | 279.9 | 170.1 | 71.3  | 0.0 |
| 10°   | 279.9 | 175.6 | 71.3  | 0.0 |
| 7.5°  | 285.4 | 175.6 | 71.3  | 0.0 |
| 5°    | 285.4 | 175.6 | 71.3  | 0.0 |
| 2.5°  | 285.4 | 175.6 | 71.3  | 0.0 |
| 0°    | 285.4 | 175.6 | 71.3  | 0.0 |

(END OF REPORT)